**Tabel 1**

**Neutral scenario**

|  |  |  |
| --- | --- | --- |
|  | In-house scripts | DnaSp |
| Tajima’s *D* | -0.632708631 | -0.63271 |
| Fay and Wu’s *H* | 0.186305399 | 0.18631 |

ms command used is shown below.

ms 120 1 -t 2 -r 2 10000 > ms\_data.txt

The values of Tajima’s *D* and Fay and Wu’s *H* calculated by using in-house scripts and DnaSp were compared.

**Selective scenario**

|  |  |  |
| --- | --- | --- |
|  | in-house scripts | DnaSp |
| Tajima’s *D* | 1.03129062 | 1.03129 |
| Fay and Wu’s *H* | 1.06418929 | 1.06419 |

mbs command used is shown below

mbs 120 -t 0.0002 -r 0.0002 -s 10000 5000 -f 1 1 results/traj\_t10000\_s0.01

The values of Tajima’s *D* and Fay and Wu’s *H* calculated by using in-house scripts and DnaSp were compared.